

WHAT IS CLAIMED IS:

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1. A rolling bearing comprising:

inner and outer members rotatable relative to each other;

5 a plurality of rolling elements rotatably interposed between said inner and outer members; and

a retainer rotatably holding said rolling elements, wherein said retainer is made of a resin composition having a flexural modulus of at least 3,500 MPa at 180°C and a heat-resistant temperature of at least 150°C.

2. The rolling bearing according to Claim 1, wherein said resin composition is polyamide 46 containing glass fiber in an amount of from not smaller than 20% by weight to less than 50% by weight.

3. The rolling bearing according to Claim 1, wherein said resin composition is polyamide 46 containing carbon fiber in an amount of from not smaller than 10% by weight to less than 40% by weight.

4. The rolling bearing according to Claim 1, wherein said resin composition is a polyphenylene sulfide resin containing carbon fiber in an amount of from not smaller than 20% by weight to less than 40% by weight.

5. The rolling bearing according to Claim 1, wherein said resin composition is a polyether ether ketone resin containing glass fiber in an amount of from not smaller than 20% by weight to less than 40% by weight.

6. The rolling bearing according to Claim 1, wherein said resin composition is a polyether ether ketone resin containing carbon fiber in an amount of from not smaller than 10% by weight to less than 40% by weight.

7. The rolling bearing according to Claim 1, wherein said retainer is prepared in such an arrangement that the entire inner circumference thereof acts as a mold gate.

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